

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-001628

(43)Date of publication of application : 07.01.2000

(51)Int.Cl.

C09C 3/06
A61K 7/02
C08K 9/02
C08L101/00
C09D 5/36
C09D 11/00

(21)Application number : 11-109211

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(22)Date of filing : 16.04.1999

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(30)Priority

Priority number : 98 19817286 Priority date : 18.04.1998 Priority country : DE

(54) MULTILAYER IRIDESCENT PIGMENT BASED ON OPAQUE SUBSTRATE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a pigment having high masking power and exhibiting remarkable color flop.

SOLUTION: The objective multilayer iridescent pigment is based on an opaque or translucent non-metallic flaky substrate coated in multiple layers and composed of at least (a) a 1st layer containing a metal or a metal oxide having high refractive index, (b) a 2nd layer containing a metal oxide having low refractive index, (c) a 3rd layer containing metal or a metal oxide having high refractive index and optionally (d) additional layers. The flaky substrate is preferably selected from graphite flake; flaky carrier material coated with ilmenite, magnetite, $\text{CuMn}_3\text{-xO}_4$ or graphite; a carbon-containing pigment or SiO_2 flake integrated with carbon black.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]